

**PERMIT NO. 1499-227-0003-V-05-0**

**ISSUANCE DATE:**



**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES

**ENVIRONMENTAL PROTECTION DIVISION**

**Air Quality - Part 70 Operating Permit**

**Facility Name:** IMERYS Marble, Inc. – Marble Hill Plant  
**Facility Address:** 9986 State Highway 53 East  
Marble Hill, Georgia 30148, Pickens County  
**Mailing Address:** 9986 State Highway 53 East  
Marble Hill, Georgia 30148  
**Parent/Holding Company:** IMERYS Marble, Inc.  
**Facility AIRS Number:** 04-13-227-00003

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a Part 70 Permit for:

**The operation of a calcium carbonate processing facility.**

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit. Unless modified or revoked, this Permit expires five years after the issuance date indicated above.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above, for any misrepresentation made in Title V Application TV-589425 signed on August 9, 2021, any other applications upon which this Permit is based, supporting data entered therein or attached thereto, or any subsequent submittal of supporting data, or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **47** pages.



**DRAFT**

\_\_\_\_\_  
Richard E. Dunn, Director  
Environmental Protection Division

## Table of Contents

<b>PART 1.0</b>	<b>FACILITY DESCRIPTION .....</b>	<b>1</b>
1.1	Site Determination .....	1
1.2	Previous and/or Other Names .....	1
1.3	Overall Facility Process Description.....	1
<b>PART 2.0</b>	<b>REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY .....</b>	<b>3</b>
2.1	Facility Wide Emission Caps and Operating Limits.....	3
2.2	Facility Wide Federal Rule Standards.....	3
2.3	Facility Wide SIP Rule Standards.....	3
2.4	Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit .....	3
<b>PART 3.0</b>	<b>REQUIREMENTS FOR EMISSION UNITS .....</b>	<b>4</b>
3.1	Emission Units .....	4
3.2	Equipment Emission Caps and Operating Limits .....	11
3.3	Equipment Federal Rule Standards .....	11
3.4	Equipment SIP Rule Standards .....	13
3.5	Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit .....	14
<b>PART 4.0</b>	<b>REQUIREMENTS FOR TESTING.....</b>	<b>15</b>
4.1	General Testing Requirements .....	15
4.2	Specific Testing Requirements .....	16
<b>PART 5.0</b>	<b>REQUIREMENTS FOR MONITORING (Related to Data Collection) .....</b>	<b>17</b>
5.1	General Monitoring Requirements.....	17
5.2	Specific Monitoring Requirements .....	17
<b>PART 6.0</b>	<b>RECORD KEEPING AND REPORTING REQUIREMENTS .....</b>	<b>21</b>
6.1	General Record Keeping and Reporting Requirements .....	21
6.2	Specific Record Keeping and Reporting Requirements.....	24
<b>PART 7.0</b>	<b>OTHER SPECIFIC REQUIREMENTS.....</b>	<b>27</b>
7.1	Operational Flexibility .....	27
7.2	Off-Permit Changes .....	27
7.3	Alternative Requirements.....	28
7.4	Insignificant Activities .....	28
7.5	Temporary Sources .....	28
7.6	Short-term Activities .....	28
7.7	Compliance Schedule/Progress Reports .....	28
7.8	Emissions Trading.....	28
7.9	Acid Rain Requirements .....	28
7.10	Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA).....	28
7.11	Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990) .....	30
7.12	Revocation of Existing Permits and Amendments.....	31
7.13	Pollution Prevention.....	31
7.14	Specific Conditions .....	31
<b>PART 8.0</b>	<b>GENERAL PROVISIONS .....</b>	<b>32</b>
8.1	Terms and References .....	32
8.2	EPA Authorities .....	32
8.3	Duty to Comply.....	32
8.4	Fee Assessment and Payment .....	33

## Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

8.5	Permit Renewal and Expiration .....	33
8.6	Transfer of Ownership or Operation .....	33
8.7	Property Rights.....	33
8.8	Submissions.....	34
8.9	Duty to Provide Information .....	34
8.10	Modifications .....	35
8.11	Permit Revision, Revocation, Reopening and Termination.....	35
8.12	Severability .....	36
8.13	Excess Emissions Due to an Emergency .....	36
8.14	Compliance Requirements .....	37
8.15	Circumvention.....	39
8.16	Permit Shield.....	40
8.17	Operational Practices .....	40
8.18	Visible Emissions.....	40
8.19	Fuel-burning Equipment .....	40
8.20	Sulfur Dioxide.....	41
8.21	Particulate Emissions .....	41
8.22	Fugitive Dust.....	42
8.23	Solvent Metal Cleaning.....	42
8.24	Incinerators.....	43
8.25	Volatile Organic Liquid Handling and Storage .....	44
8.26	Use of Any Credible Evidence or Information .....	44
8.27	Internal Combustion Engines.....	44
8.28	Boilers and Process Heaters .....	46
<b>Attachments .....</b>		<b>47</b>
A. List of Standard Abbreviations and List of Permit Specific Abbreviations		
B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups		
C. List of References		

**PART 1.0 FACILITY DESCRIPTION****1.1 Site Determination**

There are no other facilities which could possibly be contiguous or adjacent and under common control.

**1.2 Previous and/or Other Names**

The facility was previously known as "Georgia Marble Company."

**1.3 Overall Facility Process Description**

This location consists of an underground mine and processing equipment above ground grouped in separate buildings known as Plants 5, 2 & 3, 4, 6, 8, and 13.

**Mining:** Mining of calcium carbonate is conducted in an underground mine adjacent to the above ground processing plants. Calcium carbonate is transported via off the road haul trucks from the mine to the primary crusher where it is either dumped directly into the crusher feed hopper or in a staging area for later use when the mine is not operating.

**Primary Crushing and Sizing:** Calcium Carbonate from the underground mine is dumped into the crusher feed hopper located at Plant 5 where it is withdrawn by a grizzly feeder and, depending on its size and moisture content, is either crushed by the primary jaw crusher (6 inches in size or larger) or bypasses the crusher and is sent to the drier if the moisture content is high (1 inch size and down) or bypasses the crusher to rejoin the crushed material coming from the jaw crusher. All three streams are rejoined and passed across the primary screen. Material passing the screen becomes feed for the operations at Marble Hill and Dalton, Georgia. Oversize is reduced by a secondary crusher and is re screened across the primary screen. From the primary screen the calcium carbonate feed material is conveyed to storage bins for distribution to adjacent processing equipment at Plant 5, Plants 6 and 13 or to IMERYS Marble Inc. plant in Dalton, Georgia.

**Medium Ground Products Plant 5:** Calcium Carbonate withdrawn from storage bins is fed into roller mill crushers where it is ground and sized to product specifications and then distributed to product storage silos and bins. It is then withdrawn as required for bulk rail, bulk truck, semi bulk bag and bag shipment.

**Screen Products Plant 5:** Calcium Carbonate withdrawn from a feed storage bin is dried if required in a rotary drier, reduced in size by a hammer mill, and passed over product screens. The required sizes are removed to become product and are stored in product bins. Oversize is sent back to the hammer mill. Screen products are withdrawn from the bins for bulk and bag shipment.

**Screen Products Plant 4:** Feed sized Calcium Carbonate is transported to the dump hopper at Plant 6 and fed into storage silos. It is withdrawn as required by Plant 4. Plant 4 makes screen products ranging from 1 1/4 inch down to 40 mesh by 200 mesh. In addition to screens, a hammer mill is used to reduce oversize or unwanted sizes to usable products. Screen products are stored in bins inside and outside of Plant 4 and are withdrawn to baggers inside Plant 4 or for bulk shipment.

## **Title V Permit**

Fine Ground Products Plant 8: Fines from Plant 4 are fed into Plant 8 where they are further reduced in size by ball mills and classified to product specifications utilizing separators and classifiers. Fine products are stored in silos and bins where they are withdrawn for bag and bulk shipment in Plant 2.

Medium Ground Products Plants 2 and 3: Feed from Plant 6 and fines from Plant 4 are fed to roller mills in Plant to produce medium ground products which are stored in bins at Plant 2. Some wet medium ground products are produced, flash dried and stored in bins at Plant 3. These products are withdrawn from storage for bag and bulk shipment from Plant 2.

Fine Ground Products Plant 13: Feed from Plant 5 is stored at Plant 13 and fed to roller mill to make fine ground products. These products are stored in bins and withdrawn for bulk shipment from Plant 13.

**PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY**

**2.1 Facility Wide Emission Caps and Operating Limits**

None applicable.

**2.2 Facility Wide Federal Rule Standards**

None applicable.

**2.3 Facility Wide SIP Rule Standards**

None applicable.

**2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit**

None applicable.

# Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

## PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

### 3.1 Emission Units

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
<b>Plant 5</b>				
C17	Dump Hopper	391-3-1-.02(2)(e)	N/A	None
C18	Grizzly Feeder	391-3-1-.02(2)(e)	WS	Water Sprays
C19	Screen	391-3-1-.02(2)(e)	WS	Water Sprays
C20	Jaw Crusher	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F50	Water Sprays Baghouse
C24	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C27	Belt Conveyor			
C28	Belt Conveyor			
C29	Primary Screen	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C26	Baghouse
C30	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
D40	Cone Crusher	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F50	Baghouse
D41	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F50	Baghouse
D42	Belt Conveyor			
C32	Offwhite Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F50	Baghouse
D55	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C72	Dalton Bin North	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C26	Baghouse
C68	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	WS	Water Sprays
C71	Loading Station			
C73	Dalton Bin South	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C26	Baghouse
C70	Dalton Bin Loading Stations	391-3-1-.02(2)(e)	WS	Water Sprays
C34	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C36	Twin Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C26	Baghouse
C37	Twin Silo			
C39	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C40	Belt Conveyor			
C44	Plant 5 - 55 Raymond Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C38	Baghouse
C46	Cyclone			
F16	Silo No. 12	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F15	Bin Vent
F19	Loading Spout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F20	Baghouse
F18	Silo No. 11	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F17	Bin Vent
F21	Loading Spout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F22	Baghouse
C47	Silo No. 7	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F02	Baghouse
C69	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C48	Silo No. 6	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F02	Baghouse
D44	Loading Spout	391-3-1-.02(2)(e)	N/A	None
D46	Loading Spout	391-3-1-.02(2)(e)		

# Title V Permit

IMERYYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
C49	Silo No. 5	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F02	Baghouse
D51	Packer Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D50	Baghouse
D52	Packer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)		
C51	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C52	Belt Conveyor			
C53	Belt Conveyor			
C54	Belt Conveyor			
C55	Belt Conveyor			
C56	Belt Conveyor			
C33	Belt Conveyor			
D19	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
D08	Campablo Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D16	Bin Vent
D07	Campablo Bin Loading Spouts	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
C41	Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D50	Baghouse
D54	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C42	Plant 5 - 54 Raymond Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C43	Baghouse
C45	Cyclone	391-3-1-.02(2)(e)	N/A	None
F10	Belt Conveyor	391-3-1-.02(2)(e)		
C75	Canica Feed Silo	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C88	Baghouse
D56	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
F12	Bucket Elevator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C88	Baghouse
F13	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
E89	Rotary Dryer	40 CFR 52.21 Avoidance 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	E94	Baghouse
E90	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
E91	Bucket Elevator	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E93	Baghouse
E92	Surge Bin			
E95	Belt Conveyor			
C96	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
C97	Canica Impact Mill			
C94	Bucket Elevator	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C88	Baghouse
F23	Screen	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
F24	Screen			
F26	Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F44	Baghouse
C87	Separator	391-3-1-.02(2)(b)	C88	Baghouse
F27	Separator	391-3-1-.02(2)(e)		
C83	Bucket Elevator	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C88	Baghouse
F31	Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F44	Baghouse
F32	Magnetic Separator	391-3-1-.02(2)(b)	F44	Baghouse
F33	Magnetic Separator	391-3-1-.02(2)(e)		



# Title V Permit

IMERYYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
F34	Magnetic Separator			
D06	Reject Bin Loading Station	391-3-1-.02(2)(e)	N/A	None
C61	40-200 Bins	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E96	Bin Vent
C63	40-200 Bins	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E97	Bin Vent
C64	40-200 Bins	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E98	Bin Vent
F37	Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F39	Bin Vent
C59	Marblend Bagger Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D50	Baghouse
C60	Marblend Bagger			
F11	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
C74	Zero Mill Feed Silo	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C88	Baghouse
D57	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
C35	Belt Conveyor	391-3-1-.02(2)(b)	DC537	Baghouse
C100	Belt Conveyor	391-3-1-.02(2)(e)		
D22	Plant 5 - 51 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D23	Baghouse
D27	Plant 5 - 52 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D24	Baghouse
D28	Plant 5 - 53 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D25	Baghouse
D29	Cyclone	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D23	Baghouse
D30	Cyclone	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D24	Baghouse
D31	Cyclone	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D25	Baghouse
D37	Silo No. 8	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	DC65	Bin Bent
D62	Loading Spout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E99	Baghouse
D60	Silo No. 9	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	DC66	Bin Vent
D63	Loading Spout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E99	Baghouse
D61	Silo No. 10	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E99	Baghouse
D64	Loading Spout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E99	Baghouse
D20	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D36	Baghouse
D21	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D36	Baghouse
D35	Loading Station	391-3-1-.02(2)(e)	N/A	None
D34	Loading Station	391-3-1-.02(2)(e)	N/A	None
D32	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D36	Baghouse
D33	Loading Station			
D15	No. 1 Rail Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D18	Bin Vent
D02	No. 1 Rail Bin Loading Station	391-3-1-.02(2)(e)	N/A	None
D14	No. 2 Rail Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D36	Baghouse

# Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
D03	No. 2 Rail Bin Loading Station	391-3-1-.02(2)(e)	N/A	None
D13	No. 3 Rail Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D17	Baghouse
D04	No. 3 Rail Bin Loading Station	391-3-1-.02(2)(e)	N/A	None
D12	No. 4 Rail Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D17	Baghouse
D05	No. 4 Rail Bin Loading Station	391-3-1-.02(2)(e)	N/A	None
C99	Semi-bulk Bagger	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	D50	Baghouse
RM56	Plant 5 - 56 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC56	Baghouse
RM57	Plant 5 - 57 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC57	Baghouse
<b>Plant 6</b>				
A01	Dump Hopper	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A02	Baghouse
A03	Belt Conveyor			
A04	Belt Conveyor			
A05	Feed Silo			
CV63	Belt Conveyor CV63	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	DC623	Baghouse
A06	Feed Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A02	Baghouse
A07	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
<b>Plant 4</b>				
C41A	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
A08	Dryer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	A09	Baghouse
A10	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
C21	Bucket Elevator			
A12	Belt Conveyor			
A14	No. 1 Midwestern Screen	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	A11	Baghouse
A55	Plant 8 Feed Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A19	VSI Feed Fines Bin			
A15	No. 3 Inside Bin			
A16	No. 2 Outside Bin			
A17	No. 2 Inside Bin			
A43	No. 1 Inside Bin	391-3-1-.02(2)(e)	N/A	None
A18	Hammer Mill Surge Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A20	Belt Conveyor C43			
A22	Vertical Shaft Impact	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	A11	Baghouse
A26	Elevator			
A26A	Hopper			
A32	No. 2 Midwestern Screen			
A42	OZ Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A41	Z Truck Bin	391-3-1-.02(2)(e)	N/A	None
A46	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A47	Pocket Conveyor			
A50	Hamer Packer Unit			
E47	Outside Bucket Elevator	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	A11	Baghouse

# Title V Permit

IMERYYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
A59	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A89	Plant 2 Feed Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A94 F07	Baghouse Baghouse
A48	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A49	Belt Conveyor			
A63	XO Rail Bin	391-3-1-.02(2)(e)	N/A	None
A64	XO Truck Bin			
A62	Inside XO Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A52	#3 Midwestern Screen	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	A11	Baghouse
A61	Inside 30-50 Bin	391-3-1-.02(2)(e)	N/A	None
A78	Raymond Separator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A69	Rail Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	DC69	Bin Vent
A68	Truck Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	DC68	Bin Vent
A96	Belt Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
A97	Belt Conveyor			
A98	Belt Conveyor			
<b>Plant 8</b>				
D72	Plant 8 Feed Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	D71	Bin Vent
D74	Bucket Elevator	391-3-1-.02(2)(e)	N/A	None
D77	Surge Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F05	Baghouse
D78	Surge Bin			
D81	Tube Mill No. 1			
D82	Tube Mill No. 2			
D84	Bucket Elevator			
D85	Bucket Elevator			
D89	No. 1 Separator			
D88	No. 2 Separator			
E14	Feed Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	M11	Bin Vent
E16	Air Sifter #1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E17	Baghouse
E19	GS-80 Bin	391-3-1-.02(2)(e)	N/A	None
E21	Product Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E20	Bin Vent
D95	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E09	Baghouse
D96	Bin			
D99	Tube Mill No. 3			
E01	Tube Mill No. 4			
E05	Bucket Elevator			
E02	Bucket Elevator			
E07	Separator			
E04	Separator			
E23	Silo Wingdale	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E22	Bin Vent
E24	Load out Spout	391-3-1-.02(2)(e)	N/A	None
E34	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C65	Bin Vent
E35	Air Sifter No. 3	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E09	Baghouse
E36	Cyclone			
E27	Silo 6451 Calwhite	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E26	Baghouse

# Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
E37	Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C66	Bin Vent
C16	Air Sifter No. 4	391-3-1-.02(2)(b)	E09	Baghouse
D53	Cyclone	391-3-1-.02(2)(e)		
E28	Silo Gamma Plast	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	F09	Bin Vent
E25	Silo 255 1043	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E26	Baghouse
E30	Old Slurry Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	M12	Bin Vent
E31	Loadout Spout	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	M13	Baghouse
<b>Plant 5</b>				
B10	Plant 5 - 52 Raymond Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	B11	Baghouse
B9	Plant 5 - 52 Raymond Mill Cyclone			
B12	Plant 5 - 51 Raymond Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	B13	Baghouse
B16	Plant 5 - 51 Raymond Mill Cyclone			
B36	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
B37	Belt Conveyor			
C12	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
C15	Belt Conveyor			
B14	Plant 5 - 53 Raymond Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	B15	Baghouse
B17	Plant 5 - 53 Raymond Mill Cyclone			
F60	Bin	391-3-1-.02(2)(e)	N/A	None
F61	Super Sack Station	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	A11	Baghouse
B35	Belt Conveyor	391-3-1-.02(2)(e)	N/A	None
<b>Plant 3</b>				
B41	Feed Hopper	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	B40	Baghouse
B45	Feed Bin	391-3-1-.02(2)(e)	N/A	Wet Processes
B46	Feed Bin			
B47	Feed Bin			
B48	Feed Bin			
B53	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	Wet Process
B55	Belt Conveyor		N/A	Wet Process
B54	Surge Hopper	391-3-1-.02(2)(e)	N/A	Wet Process
B57	Shaker Screen	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	Wet Process
B58	Attrition Mill		N/A	Wet Process
B59	Screen Tank	391-3-1-.02(2)(e)	N/A	Wet Processes
B60	Feed Cone			
B61	FC Cyclone			
B64	Classifying Bird No. 1			
B63	Classifying Bird No. 2			
B65	Gamco 2 Screen			
B66	D2 Screen			
B71	Surge Hopper			
B74	Storage Tank			
B75	Metering Hopper			
B79	Imp Mill Flash Dryer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	B80	Baghouse
B83	Gammaco Product Silo	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	B81	Bin Vent

# Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
B84	Inside Bin Silo 32	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	B82	Bin Vent
B98	D2T Product Silo	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	B97	Bin Vent
C1	CS11 Product Silo	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	B99	Bin Vent
C2	Micro Pulverizer	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C9	Baghouse
C3	Transfer Hopper			
C4	CS-11 Packer Bin			
C11	CS-11 Bagger			
C5	CS-11 Truck Bin			
C6	Semi Bulk Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	C8	Baghouse
C5A	Loading Station – Super Sack	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C9	Baghouse
C5B	Truck Loadout			
C6A	Loading Station – Super Sack	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	C8	Baghouse
F67	400-200 Packer Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F66	Bin Vent
F65	Surge Hopper	391-3-1-.02(2)(e)	N/A	None
B90	400-200 Parker Bin Packer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	F62	Baghouse
B92	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
<b>Plant 13</b>				
E38	Dump Hopper	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
E39	Bucketed Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
E40	Feed Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E88	Baghouse
E41	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
E43	Plant 13 - 24 Raymond Mill	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E42	Baghouse
E44	Cyclone	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	E42	Baghouse
E45	200 Ton Silo	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
F73	Super Sack Loading Station	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	N/A	None
E82	100 Ton Truck Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E80	Bin Vent
E83	100 Ton Truck Bin			
E87	Test Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E86	Bin Vent
E87A	Loadout	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
E84 & E85	Rail & Truck Loading	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	E88	Baghouse
C651	Belt Conveyor	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	Covered Conveyor
BIN564	Raymond Mill Transfer Hopper	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	Open Top Hopper
BIN561	75 Ton Product Bin (A)	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC561	Baghouse
LOC561	Rail & Truck Loading (A)	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	LOC561	Baghouse

## Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

Emission Units		Specific Limitations/Requirements	Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	ID No.	Description
BIN562	75 Ton Product Bin (B)	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC562	Baghouse
LOC562	Rail & Truck Loading (B)			
BIN563	100 Ton Product Bin	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC563	Baghouse
LOC563	Rail & Truck Loading (B)			
BL517	Pneumatic Conveyor (A)	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	DC561	Baghouses
BL518	Pneumatic Conveyor (B)		DC562	
		DC563		

\* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

### 3.2 Equipment Emission Caps and Operating Limits

- 3.2.1 The Permittee shall limit fuel oil fired in all fuel burning sources to distillate fuel oil.  
[Rule 391-3-1-.02(2)(g)]
- 3.2.2 The Permittee shall not discharge or cause the discharge into the atmosphere from the Rotary Dryer (Source code E89), controlled by Baghouse E94, any gases which contain particulate matter in excess of 0.025 grains/dscf.  
[40 CFR 52.21, PSD, Avoidance]

### 3.3 Equipment Federal Rule Standards

- 3.3.1 For all equipment subject to 40 CFR 60, *Standards of Performance for New Stationary Sources*, the Permittee shall comply with the applicable provisions of 40 CFR 60 Subpart A, *General Provisions*.  
[40 CFR 60.1-19]
- 3.3.2 The Permittee shall comply with the provisions of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, for all subject equipment. In particular, for equipment in fixed or portable nonmetallic mineral processing plants which is subject to 40 CFR 60 Subpart OOO, the Permittee shall comply with the following for each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station:  
[40 CFR 60.672]
- a. The Permittee shall not discharge or cause the discharge into the atmosphere, from each affected facility/source constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008, any:
    - i. fugitive emissions (including those escaping capture systems) greater than 10 percent opacity except for any crusher that does not use a capture system, which shall not exhibit fugitive emissions greater than 15 percent opacity.
    - ii. stack emissions from capture systems feeding a dry control device which:

## Title V Permit

- (A) contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf) except for individually enclosed storage bins.
  - (B) exhibit greater than 7 percent opacity.
- iii. Any baghouse that controls emissions from only an individually enclosed storage bin is exempt from the stack PM concentration limit (and associated performance testing) in paragraph a.ii.(A) but shall meet the stack opacity limit in paragraph a.ii.(B).

In particular, for any transfer point on a conveyor belt or any other affected facility enclosed in a building, each enclosed affected facility shall comply with the emission limits in paragraphs a.i. and a.ii. of this condition, or the building shall comply with the following emission limits:
- iv. Fugitive emissions from the building openings (except vents with mechanically induced air flow for exhausting PM emissions from the building) shall not exceed 7 percent opacity.
- v. PM emissions from any aforementioned vent shall not:
  - (A) contain particulate matter in excess of 0.05 g/dscm (0.022 grains/dscf).
  - (B) exhibit greater than 7 percent opacity.
- vi. The emission limit in paragraph a.ii.(B) with associated opacity testing requirements do not apply for affected facilities using wet scrubbers.
- b. The Permittee shall not discharge or cause the discharge into the atmosphere, from each affected facility/source constructed, modified, or reconstructed on or after April 22, 2008, any
  - i. fugitive emissions (including those escaping capture systems) exhibiting greater than 7 percent opacity except for any crusher that does not use a capture system, which shall not exhibit fugitive emissions greater than 12 percent opacity.
  - ii. stack emissions from capture systems feeding a dry control device which contain particulate matter in excess of 0.032 g/dscm (0.014 grains/dscf) except for individually enclosed storage bins.
  - iii. Any dry control device that controls emissions from an individually enclosed storage bin is exempt from the stack PM concentration limit (and associated performance testing) in paragraph (b)(ii) but shall not exhibit greater than 7 percent stack opacity.

In particular, for any transfer point on a conveyor belt or any other affected facility enclosed in a building, each enclosed affected facility shall comply with

the emission limits in paragraphs b.i. and b.ii., or the building shall comply with the following emission limits:

- iv. Fugitive emissions from the building openings (except vents with mechanically induced air flow for exhausting PM emissions from the building) shall not exceed 7 percent opacity.
  - v. PM emissions from any building vent with mechanically induced air flow for exhausting PM emissions shall not contain particulate matter in excess of 0.032 g/dscm (0.014 grains/dscf).
- c. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of paragraphs a. and b.

### **3.4 Equipment SIP Rule Standards**

3.4.1 The Permittee shall comply with the applicable provisions of Georgia Air Quality Control Rule 391-3-1-.02(2)(b), *Visible Emissions*; for all subject equipment. In particular, the Permittee shall not cause, let, suffer, permit, or allow emissions, from direct sources of emissions at any air contaminant source, the opacity of which is equal to or greater than forty (40) percent.  
[391-3-1-.02(2)(b)]

3.4.2 The Permittee shall comply with the applicable provisions of Georgia Air Quality Control Rule 391-3-1-.02(2)(e), *Particulate Emissions from Manufacturing Processes*; for all subject equipment. In particular, the Permittee shall not discharge or cause to discharge into the atmosphere particulate matter in total quantities equal to or exceeding the rate determined by the following equations:  
[391-3-1-.02(2)(e)]

- a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

$$E = 4.1 P^{0.67}; \text{ for process input weight rate up to and including 30 tons/hour.}$$

$$E = 55 P^{0.11} - 40; \text{ for process input weight rate above 30 tons/hour.}$$

- b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$$E = 4.1 P^{0.67}$$

where,

E = emission rate in pounds per hour

P = process input weight rate in tons per hour.



Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.

**3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit**

- 3.5.1 The Permittee shall operate all particulate matter-controlling baghouses at all times that associated equipment is being operated.  
[391-3-1-.03(2)(c)]
- 3.5.2 The Permittee shall maintain an adequate inventory of replacement filter bags for all baghouses.  
[391-3-1-.03(2)(c)]
- 3.5.3 Routine maintenance shall be performed on all air pollution control equipment. The Permittee shall record and maintain records of routine maintenance in a form suitable for inspection or submittal to the Division.  
[391-3-1-.03(2)(c)]

**PART 4.0 REQUIREMENTS FOR TESTING****4.1 General Testing Requirements**

- 4.1.1 The Permittee shall cause to be conducted a performance test at any specified emission unit when so directed by the Environmental Protection Division (“Division”). The test results shall be submitted to the Division within 60 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division.  
[391-3-1-.02(6)(b)1(i)]
- 4.1.2 The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR Part 63) prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.  
[391-3-1-.02(3)(a) and 40 CFR 63.7(b)(1)]
- 4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division’s Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:
- a. Method 1 for the determination of sample point locations,
  - b. Method 2 for the determination of flow rate,
  - c. Method 3 or 3A for the determination of stack gas molecular weight,
  - d. Method 4 for the determination of stack gas moisture,
  - e. Method 5 or Method 17, as applicable, for the determination of particulate matter emissions,
  - f. Method 9 and the procedures contained in Section 1.3 of the above reference document for the determination of opacity,
  - g. Method 22 for the visual determination of fugitive emissions

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

- 4.1.4 The Permittee shall submit performance test results to the US EPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI) in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements. This Condition is only applicable if required by an applicable standard and for the pollutant(s) subject to said standard.  
[391-3-1-.02(8)(a) and 391-3-1-.02(9)(a)]

## 4.2 Specific Testing Requirements

- 4.2.1 In accordance with the applicable provisions of 40 CFR 60.8, for any equipment which is subject to the *New Source Performance Standards*, constructed or modified at the facility, the Permittee shall conduct a performance test within 60 days after achieving the maximum production rate at which the equipment will be operated, but no later than 180 days after initial startup, unless the equipment is specifically exempted from testing in the applicable Subpart of 40 CFR 60. The tests shall be conducted using the test methods and procedures specified in Condition 4.1.3. The specific pollutants, sample volumes, run times, and other testing parameters shall be as specified in the applicable Subpart of 40 CFR 60.  
[40 CFR 60.8]
- 4.2.2 For any affected facilities, as defined in 60.670 and 60.671 of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, that commence construction, modification, or reconstruction on or after April 22, 2008, the Permittee shall repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 40 CFR 60.674(b) and 40 CFR 60.676(b) are exempt from this 5-year repeat testing requirement.  
[Table 3 to 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*]

**PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)****5.1 General Monitoring Requirements**

- 5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.  
[391-3-1-.02(6)(b)1]

**5.2 Specific Monitoring Requirements**

- 5.2.1 The Permittee shall maintain continuous temperature monitors on the inlet of the baghouses for the Rotary Dryer (E89), Dryer (A08), and Imp Mill Flash Dryer (B79) and record the time and date of each incident when the temperature exceeds the filter bag design temperature. In lieu of monitoring temperature at the baghouse inlet, the Permittee may monitor a surrogate temperature (e.g., dryer outlet temperature). For each baghouse monitored by a surrogate temperature, the Permittee shall determine the equivalent filter bag design temperature and record each incident when the surrogate temperature exceeds the filter bag design temperature. The Permittee shall record the filter bag design temperature or the equivalent filter bag design temperature for each baghouse listed and such records shall be made available for inspection.  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 5.2.2 The Permittee shall perform a check of visible emissions from all baghouses controlling emissions from the emissions units listed in Section 3.1, and those added or replaced in accordance with the provisions of Sections 7.1 & 7.2. Baghouses controlling emissions from silos with dedicated bin vents, wet screening operations, bucket elevators, screw conveyors, bagging operations, and pneumatic conveyors are exempt from this condition provided those baghouses and respective emission units are not subject to CAM. The Permittee shall retain a record in a daily visible emissions (VE) log suitable for inspection or submittal. The check shall be conducted at least once for each day or portion of each day of operation using procedures a. through d. below except when atmospheric conditions or sun positioning prevent any opportunity to perform the daily VE check. Any operational day when atmospheric conditions or sun position prevent a daily reading shall be reported as monitor downtime in the report required by Condition 6.1.4:  
[391-3-1-.02(6)(b)1, 40 CFR 52.21, and 40 CFR 70.6(a)(3)(i)]
- a. Determine, in accordance with the procedures specified in paragraph d. of this Condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the daily (VE) log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b. or c. of this Condition.

## Title V Permit

- b. For each source determined to be emitting visible emissions, the Permittee shall determine whether the emissions exceed the opacity action level at any time during the determination for that source using the procedure specified in paragraph d. of this Condition, except the person performing the determination shall have received additional training acceptable to the Division to recognize the appropriate opacity level and the determination shall cover a period of three minutes. The opacity action level is 5 percent for baghouses subject to NSPS or an avoidance limit and the opacity action level is 10 percent for all other baghouses. The results shall be recorded in the daily (VE) log. For sources that exhibit visible emissions of greater than the opacity action level, the Permittee shall comply with paragraph c. of this Condition.
  - c. For each source that requires action in accordance with a. or b. of this Condition, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other applicable operating parameters, and the corrective action taken in the maintenance log.
  - d. The person performing the determination shall stand at a distance, of at least 15 feet, which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140<sup>0</sup> sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.
- 5.2.3 The Permittee shall maintain a Preventive Maintenance Program for the baghouses specified in Condition 5.2.2 to assure that the provisions of Condition 8.17.1 are met. The program shall be subject to review and modification by the Division and shall include the pressure drop ranges that indicate proper operation for each baghouse. At a minimum, the following operation and maintenance checks shall be made on at least a weekly basis, and a record of the findings and corrective actions taken shall be kept in a maintenance log:  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. Record the pressure drop across each baghouse and ensure that it is within the appropriate range.
  - b. For baghouses equipped with compressed air cleaning systems, check the system for proper operation. This may include checking for low pressure, leaks, proper lubrication, and proper operation of timer and valves.
  - c. For baghouses equipped with reverse air cleaning systems, check the system for proper operation. This may include checking damper, bypass, and isolation valves for proper operation.
  - d. For baghouses equipped with shaker cleaning systems, check the system for proper operation. This may include checking shaker mechanism for loose or worn bearings, drive components, mountings, proper operation of outlet/isolation valves, and proper lubrication.

e. Check dust collector hoppers and conveying systems for proper operation.

5.2.4 Once each day or portion of each day of operation, the Permittee shall inspect all emission points from the emission units listed in Table 3.1 for which no air pollution control device (APCD) is utilized and all emission points from emission units added or replaced in accordance with the provisions of Sections 7.1 & 7.2 for which no APCD is utilized. Boilers, wet processes, stationary engines, and emission units monitored in accordance with conditions 5.2.1 or 5.2.2 are exempt from this condition. The inspection shall be conducted by performing a walk through of the facility and noting the occurrence of the following in a daily (VE) log:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Any visible emissions. The visible emission check may be performed on the building containing the emission unit or directly on the emission unit.

b. Any mechanical failure or malfunction that results in increased air emissions.

For each emission point noted with visible emissions, mechanical problems or malfunctions, the Permittee shall take corrective action in the most expedient manner possible and re-inspect the unit within 24 hours to verify that no visible emissions exist.

5.2.5 The Permittee shall comply with the detailed monitoring provisions of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, for all subject equipment. In particular, when using a baghouse(s) to control emissions from any affected facility/source constructed, modified, or reconstructed on or after April 22, 2008, the Permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse(s) is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the Permittee shall initiate corrective action within 24 hours to return the baghouse(s) to normal operation. The Permittee shall record each Method 22 test, including the date and any corrective actions taken. The Permittee may establish a different baghouse(s)-specific success level(s) for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 40 CFR 60.675(b) simultaneously with a Method 22 to determine what constitutes normal visible emissions from that affected facility's baghouse(s) when it is in compliance with the applicable PM concentration limit of this subpart. The revised visible emissions success level(s) shall be incorporated into the permit for the affected facility. As an alternative to the periodic Method 22 visible emissions inspections, the Permittee may use a bag leak detection system according to the detailed provisions of 40 CFR 60.674(d).

[391-3-1-.02(6)(b)1, 40 CFR 60.674]

- 5.2.6 For wet suppression systems used to control emissions from affected facilities constructed, modified or reconstructed on or after April 22, 2008, that are subject to 40 CFR 60 Subpart OOO, the Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. If it is found that water is not flowing properly during an inspection of the water spray nozzles, the Permittee shall initiate corrective action within 24 hours and complete it as expediently as practical. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken in a logbook. If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3, of 40 CFR 60 Subpart OOO, provided that the affected facility meets the following criteria:  
[40 CFR 60.674(b) & 40 CFR 60.676(b)(1)]
- a. The Permittee shall conduct periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility.
  - b. The Permittee shall designate which upstream water spray(s) will be periodically inspected at the time of the initial performance test.

If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required must specify the control mechanism being used instead of the water sprays.

**PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS****6.1 General Record Keeping and Reporting Requirements**

6.1.1 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry. [391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)]

6.1.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.

[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 6.1.4 or 6.1.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring which is required by this permit. The reports shall cover each semiannual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively following each reporting period, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken. [391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by August 29 and February 28, respectively following each reporting period. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.

b. Total process operating time during each reporting period.



## Title V Permit

- c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
- d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
- e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

6.1.5 Where applicable, the Permittee shall keep the following records:  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(ii)(A)]

- a. The date, place, and time of sampling or measurement;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.

6.1.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6 (a)(3)(ii)(B)]

## Title V Permit

- 6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]
- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
    - i. None required to be reported in accordance with Condition 6.1.4.
  - b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
    - i. Each occurrence when fuel oil that does not meet specifications in Condition 3.2.1, is burned in any of the facility all fuel burning sources.
  - c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
    - i. Each occurrence when the temperature at the inlet of any baghouse specified in condition 5.2.1 exceeds the filter bag design temperature recorded in accordance with Condition 5.2.1.
    - ii. For the Baghouses specified in Condition 5.2.2, any two consecutive required daily determinations of visible emissions that require action in accordance with 5.2.2(a) or 5.2.2(b).
    - iii. Any failure to comply with any provision of the Operational and Maintenance Plan developed in accordance with Condition 5.2.3.
    - iv. Any visible emissions, mechanical failure, or malfunction discovered during the walk through described in Condition 5.2.4 that are not eliminated or corrected with 24 hours of first discovering the visible emissions, mechanical failure, or malfunction.
    - v. Each event that the quarterly 30-minute visible emissions inspection required by Condition 5.2.5 was not conducted.
    - vi. Any failure to comply with any of the applicable monitoring provisions required in Condition 5.2.6.

## 6.2 Specific Record Keeping and Reporting Requirements

- 6.2.1 In addition to complying with the applicable *General Provisions* of 40 CFR 60, *Standards of Performance for New Stationary Sources*, the Permittee shall comply with the detailed notification, reporting, and recordkeeping requirements of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, for all subject equipment. In particular,  
[391-3-1-.02(6)(b)1 and 40 CFR 60.7, 60.48(c) & 60.676]
- a. For each affected facility/source constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008, the Permittee shall submit to the Division the following information about the existing facility being replaced and the replacement piece of equipment:
    - i. for a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
      - (A) The rated capacity in megagrams or tons per hour of the existing facility being replaced; and
      - (B) The rated capacity in tons per hour of the replacement equipment.
    - ii. for a screening operation:
      - (A) The total surface area of the top screen of the existing screening operation being replaced; and
      - (B) The total surface area of the top screen of the replacement screening operation.
    - iii. for a conveyor belt:
      - (A) The width of the existing belt being replaced; and
      - (B) The width of the replacement conveyor belt.
    - iv. for a storage bin:
      - (A) The rated capacity in megagrams or tons of the existing storage bin being replaced; and
      - (B) The rated capacity in megagrams or tons of replacement storage bins.

## Title V Permit

- b. For each affected facility/source constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008, the Permittee shall:
  - i. record each periodic inspection required under 40 CFR 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The Permittee shall keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available upon request by the Division.
  - ii. keep the following records for each bag leak detection system installed and operated according to 40 CFR 60.674(d), if applicable:
    - (A) Records of the bag leak detection system output;
    - (B) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and
    - (C) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.
- c. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Condition 3.3.1, including reports of opacity observations made using Method 9 (40 CFR 60, Appendix A-4) to demonstrate compliance with Condition 3.3.1a.i., iv. and v. and b.i., iv. and v.
- d. The Permittee using wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in Condition 3.3.1a.i., iv. and v. and the emission test requirements of 40 CFR 60.11.
- e. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.
- f. A notification of the actual date of initial startup of each affected facility shall be submitted as follows:
  - i. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the Permittee to the Division. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

## Title V Permit

- ii. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.
  - g. The requirements of this condition remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.
  - h. Notifications and reports required for demonstrating compliance need only to be sent to the EPA Region IV or the Division.
- 6.2.2 The Permittee shall verify that each shipment of fuel oil received is distillate fuel oil by obtaining fuel oil supplier certifications. Supplier certifications shall contain the name of the supplier and a statement from the supplier that the oil is distillate oil.  
[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i)]
- 6.2.3 The Permittee shall maintain a record of all actions taken in accordance with Section 8.22 to suppress fugitive dust from roads, storage piles, or any other source of fugitive dust. Such records shall include the date and time of occurrence and a description of the actions taken.  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

**PART 7.0 OTHER SPECIFIC REQUIREMENTS****7.1 Operational Flexibility**

7.1.1 The Permittee may make Section 502(b)(10) changes as defined in 40 CFR 70.2 without requiring a Permit revision, if the changes are not modifications under any provisions of Title I of the Federal Act and the changes do not exceed the emissions allowable under the Permit (whether expressed therein as a rate of emissions or in terms of total emissions). For each such change, the Permittee shall provide the Division and the EPA with written notification as required below in advance of the proposed changes and shall obtain any Permits required under Rules 391-3-1-.03(1) and (2). The Permittee and the Division shall attach each such notice to their copy of this Permit.  
[391-3-1-.03(10)(b)5 and 40 CFR 70.4(b)(12)(i)]

- a. For each such change, the Permittee's written notification and application for a construction Permit shall be submitted well in advance of any critical date (typically at least 3 months in advance of any commencement of construction, Permit issuance date, etc.) involved in the change, but no less than seven (7) days in advance of such change and shall include a brief description of the change within the Permitted facility, the date on which the change is proposed to occur, any change in emissions, and any Permit term or condition that is no longer applicable as a result of the change.
- b. The Permit shield described in Condition 8.16.1 shall not apply to any change made pursuant to this condition.

**7.2 Off-Permit Changes**

7.2.1 The Permittee may make changes that are not addressed or prohibited by this Permit, other than those described in Condition 7.2.2 below, without a Permit revision, provided the following requirements are met:  
[391-3-1-.03(10)(b)6 and 40 CFR 70.4(b)(14)]

- a. Each such change shall meet all applicable requirements and shall not violate any existing Permit term or condition.
- b. The Permittee must provide contemporaneous written notice to the Division and to the EPA of each such change, except for changes that qualify as insignificant under Rule 391-3-1-.03(10)(g). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the Permit shield in Condition 8.16.1.
- d. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the Permit, and the emissions resulting from those changes.

7.2.2 The Permittee shall not make, without a Permit revision, any changes that are not addressed or prohibited by this Permit, if such changes are subject to any requirements under Title IV of the Federal Act or are modifications under any provision of Title I of the Federal Act.  
[Rule 391-3-1-.03(10)(b)7 and 40 CFR 70.4(b)(15)]

**7.3 Alternative Requirements**

[White Paper #2]

Not Applicable.

**7.4 Insignificant Activities**

(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

**7.5 Temporary Sources**

[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

Not Applicable.

**7.6 Short-term Activities**

Not Applicable.

**7.7 Compliance Schedule/Progress Reports**

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(4)]

None Applicable.

**7.8 Emissions Trading**

[391-3-1-.03(10)(d)1(ii) and 40 CFR 70.6(a)(10)]

Not Applicable.

**7.9 Acid Rain Requirements**

Not Applicable.

**7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)**

[391-3-1-.02(10)]

7.10.1 When and if the requirements of 40 CFR Part 68 become applicable, the Permittee shall comply with all applicable requirements of 40 CFR Part 68, including the following.

- a. The Permittee shall submit a Risk Management Plan (RMP) as provided in 40 CFR 68.150 through 68.185. The RMP shall include a registration that reflects all covered processes.

## Title V Permit

- b. For processes eligible for Program 1, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a. and the following additional requirements:
  - i. Analyze the worst-case release scenario for the process(es), as provided in 40 CFR 68.25; document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 40 CFR 68.22(a); and submit in the RMP the worst-case release scenario as provided in 40 CFR 68.165.
  - ii. Complete the five-year accident history for the process as provided in 40 CFR 68.42 and submit in the RMP as provided in 40 CFR 68.168
  - iii. Ensure that response actions have been coordinated with local emergency planning and response agencies
  - iv. Include a certification in the RMP as specified in 40 CFR 68.12(b)(4)
- c. For processes subject to Program 2, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
  - i. Develop and implement a management system as provided in 40 CFR 68.15
  - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
  - iii. Implement the Program 2 prevention steps provided in 40 CFR 68.48 through 68.60 or implement the Program 3 prevention steps provided in 40 CFR 68.65 through 68.87
  - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
  - v. Submit as part of the RMP the data on prevention program elements for Program 2 processes as provided in 40 CFR 68.170
- d. For processes subject to Program 3, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
  - i. Develop and implement a management system as provided in 40 CFR 68.15
  - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
  - iii. Implement the prevention requirements of 40 CFR 68.65 through 68.87
  - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
  - v. Submit as part of the RMP the data on prevention program elements for Program 3 as provided in 40 CFR 68.175
- e. All reports and notification required by 40 CFR Part 68 must be submitted electronically using RMP\*eSubmit (information for establishing an account can be found at [www.epa.gov/rmp/rmpesubmit](http://www.epa.gov/rmp/rmpesubmit)). Electronic Signature Agreements should be mailed to:

MAIL

**Risk Management Program (RMP) Reporting Center  
P.O. Box 10162  
Fairfax, VA 22038**



**COURIER & FEDEX**

**Risk Management Program (RMP) Reporting Center  
CGI Federal  
12601 Fair Lakes Circle  
Fairfax, VA 22033**

Compliance with all requirements of this condition, including the registration and submission of the RMP, shall be included as part of the compliance certification submitted in accordance with Condition 8.14.1.

**7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990)**

- 7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.  
[Note: “MVAC-like appliance” is defined in 40 CFR 82.152.]
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term “motor vehicle” as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term “MVAC” as used in Subpart B

## Title V Permit

IMERYYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

does not include air-tight sealed refrigeration systems used for refrigerated cargo, or air conditioning systems on passenger buses using HCFC-22 refrigerant.

### 7.12 Revocation of Existing Permits and Amendments

The following Air Quality Permits, Amendments, and 502(b)10 are subsumed by this permit and are hereby revoked:

Air Quality Permit and Amendment Number(s)	Dates of Original Permit or Amendment Issuance
1499-227-0003-V-04-0	9-Feb-2017

### 7.13 Pollution Prevention

Not Applicable.

### 7.14 Specific Conditions

Not Applicable.

## **PART 8.0 GENERAL PROVISIONS**

### **8.1 Terms and References**

- 8.1.1 Terms not otherwise defined in the Permit shall have the meaning assigned to such terms in the referenced regulation.
- 8.1.2 Where more than one condition in this Permit applies to an emission unit and/or the entire facility, each condition shall apply and the most stringent condition shall take precedence.  
[391-3-1-.02(2)(a)2]

### **8.2 EPA Authorities**

- 8.2.1 Except as identified as “State-only enforceable” requirements in this Permit, all terms and conditions contained herein shall be enforceable by the EPA and citizens under the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.  
[40 CFR 70.6(b)(1)]
- 8.2.2 Nothing in this Permit shall alter or affect the authority of the EPA to obtain information pursuant to 42 U.S.C. 7414, “Inspections, Monitoring, and Entry.”  
[40 CFR 70.6(f)(3)(iv)]
- 8.2.3 Nothing in this Permit shall alter or affect the authority of the EPA to impose emergency orders pursuant to 42 U.S.C. 7603, “Emergency Powers.”  
[40 CFR 70.6(f)(3)(i)]

### **8.3 Duty to Comply**

- 8.3.1 The Permittee shall comply with all conditions of this operating Permit. Any Permit noncompliance constitutes a violation of the Federal Clean Air Act and the Georgia Air Quality Act and/or State rules and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. Any noncompliance with a Permit condition specifically designated as enforceable only by the State constitutes a violation of the Georgia Air Quality Act and/or State rules only and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(i)]
- 8.3.2 The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(ii)]
- 8.3.3 Nothing in this Permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of Permit issuance.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(f)(3)(ii)]

- 8.3.4 Issuance of this Permit does not relieve the Permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Director or any other federal, state, or local agency.  
[391-3-1-.03(10)(e)1(iv) and 40 CFR 70.7(a)(6)]

#### **8.4 Fee Assessment and Payment**

- 8.4.1 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of fee shall be determined each year in accordance with the “Procedures for Calculating Air Permit Fees.”  
[391-3-1-.03(9)]

#### **8.5 Permit Renewal and Expiration**

- 8.5.1 This Permit shall remain in effect for five (5) years from the issuance date. The Permit shall become null and void after the expiration date unless a timely and complete renewal application has been submitted to the Division at least six (6) months, but no more than eighteen (18) months prior to the expiration date of the Permit.  
[391-3-1-.03(10)(d)1(i), (e)2, and (e)3(ii) and 40 CFR 70.5(a)(1)(iii)]
- 8.5.2 Permits being renewed are subject to the same procedural requirements, including those for public participation and affected State and EPA review, that apply to initial Permit issuance.  
[391-3-1-.03(10)(e)3(i)]
- 8.5.3 Notwithstanding the provisions in 8.5.1 above, if the Division has received a timely and complete application for renewal, deemed it administratively complete, and failed to reissue the Permit for reasons other than cause, authorization to operate shall continue beyond the expiration date to the point of Permit modification, reissuance, or revocation.  
[391-3-1-.03(10)(e)3(iii)]

#### **8.6 Transfer of Ownership or Operation**

- 8.6.1 This Permit is not transferable by the Permittee. Future owners and operators shall obtain a new Permit from the Director. The new Permit may be processed as an administrative amendment if no other change in this Permit is necessary, and provided that a written agreement containing a specific date for transfer of Permit responsibility coverage and liability between the current and new Permittee has been submitted to the Division at least thirty (30) days in advance of the transfer.  
[391-3-1-.03(4)]

#### **8.7 Property Rights**

- 8.7.1 This Permit shall not convey property rights of any sort, or any exclusive privileges.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iv)]

## **8.8 Submissions**

- 8.8.1 Reports, test data, monitoring data, notifications, annual certifications, and requests for revision and renewal shall be submitted to:

**Georgia Department of Natural Resources  
Environmental Protection Division  
Air Protection Branch  
Atlanta Tradeport, Suite 120  
4244 International Parkway  
Atlanta, Georgia 30354-3908**

For Environmental Management District Sources, test data, test reports and requests for revisions and renewal shall be submitted to the above address. All other reports, monitoring data, notifications, and annual certifications shall be submitted instead to:

**Georgia Department of Natural Resources  
Environmental Protection Division  
Mountain District Office - Cartersville  
16 Center Road  
(P.O. Box 3250)  
Cartersville, GA 30120**

- 8.8.2 Any records, compliance certifications, and monitoring data required by the provisions in this Permit to be submitted to the EPA shall be sent to:

**Air and Radiation Division  
Air Planning and Implementation Branch  
U. S. EPA Region 4  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, Georgia 30303-3104**

- 8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]
- 8.8.4 Unless otherwise specified, all submissions under this permit shall be submitted to the Division only.

## **8.9 Duty to Provide Information**

- 8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division.  
[391-3-1-.03(10)(c)5]

- 8.9.2 The Permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall also furnish to the Division copies of records that the Permittee is required to keep by this Permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the EPA, if necessary, along with a claim of confidentiality.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(v)]

## **8.10 Modifications**

- 8.10.1 Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.  
[391-3-1-.03(1) through (8)]

## **8.11 Permit Revision, Revocation, Reopening and Termination**

- 8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances:  
[391-3-1-.03(10)(d)1(i)]
- a. If additional applicable requirements become applicable to the source and the remaining Permit term is three (3) or more years. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if the effective date of the requirement is later than the date on which the Permit is due to expire, unless the original permit or any of its terms and conditions has been extended under Condition 8.5.3;  
[391-3-1-.03(10)(e)6(i)(I)]
  - b. If any additional applicable requirements of the Acid Rain Program become applicable to the source;  
[391-3-1-.03(10)(e)6(i)(II)] (Acid Rain sources only)
  - c. The Director determines that the Permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Permit; or  
[391-3-1-.03(10)(e)6(i)(III) and 40 CFR 70.7(f)(1)(iii)]

- d. The Director determines that the Permit must be revised or revoked to assure compliance with the applicable requirements.  
[391-3-1-.03(10)(e)6(i)(IV) and 40 CFR 70.7(f)(1)(iv)]
- 8.11.2 Proceedings to reopen and reissue a Permit shall follow the same procedures as applicable to initial Permit issuance and shall affect only those parts of the Permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable.  
[391-3-1-.03(10)(e)6(ii)]
- 8.11.3 Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Director at least thirty (30) days in advance of the date the Permit is to be reopened, except that the Director may provide a shorter time period in the case of an emergency.  
[391-3-1-.03(10)(e)6(iii)]
- 8.11.4 All Permit conditions remain in effect until such time as the Director takes final action. The filing of a request by the Permittee for any Permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, shall not stay any Permit condition.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iii)]
- 8.11.5 A Permit revision shall not be required for changes that are explicitly authorized by the conditions of this Permit.
- 8.11.6 A Permit revision shall not be required for changes that are part of an approved economic incentive, marketable Permit, emission trading, or other similar program or process for change which is specifically provided for in this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(8)]

## **8.12 Severability**

- 8.12.1 Any condition or portion of this Permit which is challenged, becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(5)]

## **8.13 Excess Emissions Due to an Emergency**

- 8.13.1 An “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the Permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(1)]

- 8.13.2 An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the Permittee demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(2) and (3)]
- a. An emergency occurred and the Permittee can identify the cause(s) of the emergency;
  - b. The Permitted facility was at the time of the emergency being properly operated;
  - c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in the Permit; and
  - d. The Permittee promptly notified the Division and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 8.13.3 In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(4)]
- 8.13.4 The emergency conditions listed above are in addition to any emergency or upset provisions contained in any applicable requirement.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(5)]

## **8.14 Compliance Requirements**

### **8.14.1 Compliance Certification**

The Permittee shall provide written certification to the Division and to the EPA, at least annually, of compliance with the conditions of this Permit. The annual written certification shall be postmarked no later than February 28 of each year and shall be submitted to the Division and to the EPA. The certification shall include, but not be limited to, the following elements:

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(5)]

- a. The identification of each term or condition of the Permit that is the basis of the certification;
- b. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent, based on the method or means designated in paragraph c below. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;



- c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
- d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and
- e. Any additional requirements specified by the Division.

#### 8.14.2 Inspection and Entry

- a. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Division to perform the following:  
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(2)]
  - i. Enter upon the Permittee's premises where a Part 70 source is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this Permit; and
  - iv. Sample or monitor any substances or parameters at any location during operating hours for the purpose of assuring Permit compliance or compliance with applicable requirements as authorized by the Georgia Air Quality Act.
- b. No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for Permit revocation and assessment of civil penalties.  
[391-3-1-.07 and 40 CFR 70.11(a)(3)(i)]

#### 8.14.3 Schedule of Compliance

- a. For applicable requirements with which the Permittee is in compliance, the Permittee shall continue to comply with those requirements.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(A)]

- b. For applicable requirements that become effective during the Permit term, the Permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(B)]
- c. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of Permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

#### 8.14.4 Excess Emissions

- a. Excess emissions resulting from startup, shutdown, or malfunction of any source which occur though ordinary diligence is employed shall be allowed provided that:  
[391-3-1-.02(2)(a)7(i)]
  - i. The best operational practices to minimize emissions are adhered to;
  - ii. All associated air pollution control equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions; and
  - iii. The duration of excess emissions is minimized.
- b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction are prohibited and are violations of Chapter 391-3-1 of the Georgia Rules for Air Quality Control.  
[391-3-1-.02(2)(a)7(ii)]
- c. The provisions of this condition and Georgia Rule 391-3-1-.02(2)(a)7 shall apply only to those sources which are not subject to any requirement under Georgia Rule 391-3-1-.02(8) – New Source Performance Standards or any requirement of 40 CFR, Part 60, as amended concerning New Source Performance Standards.  
[391-3-1-.02(2)(a)7(iii)]

### 8.15 Circumvention

#### **State Only Enforceable Condition.**

- 8.15.1 The Permittee shall not build, erect, install, or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of the pollutants in the gases discharged into the atmosphere.  
[391-3-1-.03(2)(c)]

## 8.16 Permit Shield

- 8.16.1 Compliance with the terms of this Permit shall be deemed compliance with all applicable requirements as of the date of Permit issuance provided that all applicable requirements are included and specifically identified in the Permit.  
[391-3-1-.03(10)(d)6]
- 8.16.2 Any Permit condition identified as “State only enforceable” does not have a Permit shield.

## 8.17 Operational Practices

- 8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.  
[391-3-1-.02(2)(a)10]

### State Only Enforceable Condition.

- 8.17.2 No person owning, leasing, or controlling, the operation of any air contaminant sources shall willfully, negligently or through failure to provide necessary equipment or facilities or to take necessary precautions, cause, permit, or allow the emission from said air contamination source or sources, of such quantities of air contaminants as will cause, or tend to cause, by themselves, or in conjunction with other air contaminants, a condition of air pollution in quantities or characteristics or of a duration which is injurious or which unreasonably interferes with the enjoyment of life or use of property in such area of the State as is affected thereby. Complying with Georgia’s Rules for Air Quality Control Chapter 391-3-1 and Conditions in this Permit, shall in no way exempt a person from this provision.  
[391-3-1-.02(2)(a)1]

## 8.18 Visible Emissions

- 8.18.1 Except as may be provided in other provisions of this Permit, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.  
[391-3-1-.02(2)(b)1]

## 8.19 Fuel-burning Equipment

- 8.19.1 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, in operation or under construction on or before January 1, 1972 in amounts equal to or exceeding 0.7 pounds per million BTU heat input.  
[391-3-1-.02(2)(d)]

8.19.2 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, constructed after January 1, 1972 in amounts equal to or exceeding 0.5 pounds per million BTU heat input.  
[391-3-1-.02(2)(d)]

8.19.3 The Permittee shall not cause, let, suffer, permit, or allow the emission from any fuel-burning equipment constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.  
[391-3-1-.02(2)(d)]

## **8.20 Sulfur Dioxide**

8.20.1 Except as may be specified in other provisions of this Permit, the Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source that has a heat input capacity below 100 million Btu's per hour.  
[391-3-1-.02(2)(g)]

## **8.21 Particulate Emissions**

8.21.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.  
[391-3-1-.02(2)(e)]

- a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

$$E = 4.1P^{0.67}; \text{ for process input weight rate up to and including 30 tons per hour.}$$

$$E = 55P^{0.11} - 40; \text{ for process input weight rate above 30 tons per hour.}$$

- b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$$E = 4.1P^{0.67}$$

In the above equations, E = emission rate in pounds per hour, and  
P = process input weight rate in tons per hour.

**8.22 Fugitive Dust**

[391-3-1-.02(2)(n)]

- 8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;
  - d. Covering, at all times when in motion, open bodied trucks transporting materials likely to give rise to airborne dusts; and
  - e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.
- 8.22.2 The opacity from any fugitive dust source shall not equal or exceed 20 percent.

**8.23 Solvent Metal Cleaning**

- 8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser subject to the requirements of Georgia Rule 391-3-1-.02(2)(ff) "Solvent Metal Cleaning" unless the following requirements for control of emissions of the volatile organic compounds are satisfied:  
[391-3-1-.02(2)(ff)1]
- a. The degreaser shall be equipped with a cover to prevent escape of VOC during periods of non-use,
  - b. The degreaser shall be equipped with a device to drain cleaned parts before removal from the unit,
  - c. If the solvent volatility is 0.60 psi or greater measured at 100 °F, or if the solvent is heated above 120 °F, then one of the following control devices must be used:
    - i. The degreaser shall be equipped with a freeboard that gives a freeboard ratio of 0.7 or greater, or

- ii. The degreaser shall be equipped with a water cover (solvent must be insoluble in and heavier than water), or
- iii. The degreaser shall be equipped with a system of equivalent control, including but not limited to, a refrigerated chiller or carbon adsorption system.
- d. Any solvent spray utilized by the degreaser must be in the form of a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which will not cause excessive splashing, and
- e. All waste solvent from the degreaser shall be stored in covered containers and shall not be disposed of by such a method as to allow excessive evaporation into the atmosphere.

## 8.24 Incinerators

- 8.24.1 Except as specified in the section dealing with conical burners, no person shall cause, let, suffer, permit, or allow the emissions of fly ash and/or other particulate matter from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) “Incinerators”, in amounts equal to or exceeding the following:  
[391-3-1-.02(2)(c)1-4]
  - a. Units with charging rates of 500 pounds per hour or less of combustible waste, including water, shall not emit fly ash and/or particulate matter in quantities exceeding 1.0 pound per hour.
  - b. Units with charging rates in excess of 500 pounds per hour of combustible waste, including water, shall not emit fly ash and/or particulate matter in excess of 0.20 pounds per 100 pounds of charge.
- 8.24.2 No person shall cause, let, suffer, permit, or allow from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) “Incinerators”, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
- 8.24.3 No person shall cause or allow particles to be emitted from an incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) “Incinerators” which are individually large enough to be visible to the unaided eye.
- 8.24.4 No person shall operate an existing incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) “Incinerators” unless:
  - a. It is a multiple chamber incinerator;
  - b. It is equipped with an auxiliary burner in the primary chamber for the purpose of creating a pre-ignition temperature of 800°F; and
  - c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500°F in the secondary chamber.

**8.25 Volatile Organic Liquid Handling and Storage**

- 8.25.1 The Permittee shall ensure that each storage tank subject to the requirements of Georgia Rule 391-3-1-.02(2)(vv) “Volatile Organic Liquid Handling and Storage” is equipped with submerged fill pipes. For the purposes of this condition and the permit, a submerged fill pipe is defined as any fill pipe with a discharge opening which is within six inches of the tank bottom.  
[391-3-1-.02(2)(vv)(1)]

**8.26 Use of Any Credible Evidence or Information**

- 8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.  
[391-3-1-.02(3)(a)]

**8.27 Internal Combustion Engines**

- 8.27.1 For diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005, the Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - “General Provisions” and 40 CFR 60 Subpart IIII – “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.” Such requirements include but are not limited to:  
[40 CFR 60.4200]
- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart IIII.
  - b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart IIII.
  - c. Conduct engine maintenance prescribed by the engine manufacturer in accordance with Subpart IIII.
  - d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart IIII. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as “emergency generators” for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
  - e. Maintain any records in accordance with Subpart IIII
  - f. Maintain a list of engines subject to 40 CFR 60 Subpart IIII, including the date of manufacture.[391-3-1-.02(6)(b)]

## Title V Permit

8.27.2 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - “General Provisions” and 40 CFR 60 Subpart JJJJ - “Standards of Performance for Stationary Spark Ignition Internal Combustion Engines,” for spark ignition internal combustion engine(s) (gasoline, natural gas, liquefied petroleum gas or propane-fired) manufactured after July 1, 2007 or modified/reconstructed after June 12, 2006.  
[40 CFR 60.4230]

8.27.3 The Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart ZZZZ - “National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.”

For diesel-fired emergency generator engines defined as “existing” in 40 CFR 63 Subpart ZZZZ (constructed prior to June 12, 2006 for area sources of HAP, constructed prior to June 12, 2006 for ≤500hp engines at major sources, and constructed prior to December 19, 2002 for >500hp engines at major sources of HAP), such requirements (if applicable) include but are not limited to:  
[40 CFR 63.6580]

- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart ZZZZ.
- b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart ZZZZ.
- c. Conduct the following in accordance with Subpart ZZZZ.
  - i. Change oil and filter every 500 hours of operation or annually, whichever comes first
  - ii. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first and replace as necessary
  - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.
- d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart ZZZZ. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as “emergency generators” for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
- e. Maintain any records in accordance with Subpart ZZZZ
- f. Maintain a list of engines subject to 40 CFR 63 Subpart ZZZZ, including the date of manufacture.[391-3-1-.02(6)(b)]



**8.28 Boilers and Process Heaters**

- 8.28.1 If the facility/site is an area source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart JJJJJ - “National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.”  
[40 CFR 63.11193]
- 8.28.2 If the facility/site is a major source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.”  
[40 CFR 63.7480]

**Attachments**

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
- C. List of References

## List Of Standard Abbreviations

[illegible]


# Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

## ATTACHMENT B

**NOTE:** Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

### INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
<b>Mobile Sources</b>	1. Cleaning and sweeping of streets and paved surfaces	
<b>Combustion Equipment</b>	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a “designated facility” as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows:	
	i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	
	4. Stationary engines burning:	
	i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7	
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	1
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	
	iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	
<b>Trade Operations</b>	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	
<b>Maintenance, Cleaning, and Housekeeping</b>	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	4
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

## Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

### INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
<b>Laboratories and Testing</b>	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	3
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	1
<b>Pollution Control</b>	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
<b>Industrial Operations</b>	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	
	iii) Kilns for firing ceramic ware.	
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	
	v) Bakery ovens and confection cookers.	
	vi) Feed mill ovens.	
	vii) Surface coating drying ovens	
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that:	
	i) Activity is performed indoors; &	
	ii) No significant fugitive particulate emissions enter the environment; &	
	iii) No visible emissions enter the outdoor atmosphere.	
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	
	5. Grain, food, or mineral extrusion processes	
	6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	
	8. Ozonization process or process equipment.	
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	
	10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	
	12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	

## Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

### INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	6
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	4
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	10
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	2

### INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Blasting in Underground Mines	1
Palletizing	2

## Title V Permit

IMERYS Marble, Inc. – Marble Hill Plant

Permit No.: 1499-227-0003-V-05-0

### ATTACHMENT B (continued)

#### GENERIC EMISSION GROUPS

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)
GE10/Packers	2	False	False	True
GEG1/Belt Conveyors	36	False	False	True
GEG2/Bucket Elevators	11	False	False	True
GEG3/Separators	11	False	False	True
GEG4/Screens	5	False	False	True
GEG5/Centrifuges	3	False	False	True
GEG6/Silos/Bins/Hoppers	73	False	False	True
GEG7/Air Sifters	1	False	False	True
GEG8/Palletizers	3	False	False	True
GEG9/Mixers	2	False	False	True

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d). Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	0
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	0
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	0

**ATTACHMENT C**

**LIST OF REFERENCES**

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.*
4. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.*
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at [www.epa.gov/ttn/chief/ap42/index.html](http://www.epa.gov/ttn/chief/ap42/index.html).
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at [www.epa.gov/ttn/chief/software/tanks/index.html](http://www.epa.gov/ttn/chief/software/tanks/index.html).
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).